

39 (UPPER: SEQ ID NO.: 1) 19 (LOWER: SEQ ID NO.: 4) 119 179 59 239 299 99 GAATTCCCCCAACAGAGCCAAGCTCTCCATCTAGTGGACAGGGAAGCTAGCAGAAACC TTCCCTTCACTACAAAACTTCATTGCTTGGCCAAAAAGAGAGTTAATTCAATGTAGACAT CTATGTAGGCAATTAAAAACCTATTGATGTATAAAACAGTTTGCATTCATGGAGGGCAAC TAAATACATTCTAGGACTTTATAAAAGATCACTTTTTTATTGCACAGGGTGGAACAAG **ATGGATTATCAAGTGTCAAGTCCAATCTATGACATCAATTATTATACATCGGAGCCCTGC** H Ω щ

FIG. 1A-1

359	419 139	479 159	539 179	599 199	659 219	719	779 259
3TG V	AGG R	CIT	TTACTGTCCCCTTCTGGGCTCACTATGCTGCCCCCAGTGGGACTTTGGAAATACAATG L I V P F W A H Y A A A Q W D F G N T M	GTCAACTCITGACAGGGCTCTATTTATAGGCTTCTTCTCTGGAATCTTCTTCATCATC C Q L L T G L Y F I G F F S G I F F I I	TCCTGACAATCGATAGGTACCTGTCGTCCATGCTGTTTTGCTTTAAAAGCCAGG	ក្រុ	TTCCCAGGAATCATCTTTACCAGATCTCAAAAAGAAGGTCTTCATTACACCTGCAGCTCT L. P. G. I. I. F. T. R. S. Q. K. E. G. L. H. Y. T. C. S. S.
H i	AA K	LT FT FT	T T	ATC	ე ე ≰	£ ₽ ₹	AGC S
ည်လ	ည္သံပ	11.13 11.13	N N	F.	NAAC K	F	ည္ညပ
Y Y	AC1	TGI	G GAZ	E in	L	7.TG3	S F
TCI TCI	TAA	ACC	TTC	E H	Z. Z.	A CTC	Y X
000 P	TGA	CTG	P CI	<b>6</b> 6	TTG	7. V	ATT H
CTC	ICC	ICI	ଜନ୍ମ ଜନ୍ମ	CTG S	TGI	TGG	TTC
1GC	TCA	g g	AGT Q	TCT F	CTG A	ტ <b>3</b>	ក្ ភូមិ
וולכן ביי	ICC	136	200 <b>4</b>	TCT	ATG H	CTT	AAG E
200	CA	ACC.	, D S	U U U	D D	I G	AAG
	55		TIG	rage L	rcg.	rga.	AAA
756 1	[GC]	Ω .	TG	T.	TG	116	H.
ည္မမ	CAT M	CCT	CTA	TTI	09 8	AAG S	ATC
MI	AA. N	TA	ĘŽ H	AT.	S	3AC T	24G R
हुं o	ပ္ပ်ပ	AT( I	Ğ ₽	ğ	TA(	SGT V	AC H
AAG K	GTG V	GA D	TGG ¥	ეგი	AGG R	द्धाः ४	F
GIG	TTT F	ACT	TTC	ACA T	GAT	ეე ე	ATC
AAT	G G	ATG.	) (1) (1)	អ៊ីក	ATC	ITT	ATC
MIC	ltt F	<b>AGC</b> 1 S	JTC( V	CTC.	T T	ACC.	3G.A.
AA4 K	FIG.	AG? K	T.	PAC O	T.T.C.	STCI	P P
AAAAAATCAATGTGAAGCAAATCGCAGCCCGCCTCCTGCTCTACTCACTGGTG	TCATCITIGGITITIGIGGCAACAIGCIGGTCAICCTCAICCIGAIAAACIGCAAAAGG	TGAAGAGCATGACTTCTACCTGCTCAACCTGGCCATCTCTGGACCTGTTTTTCCTT	L	ည်ပ	I L	ACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACTTGGGTGGTGGCTGTTTGCGTCT T	HCC L

FIG. 1A-2

CATTTTCCATACA H F P Y

*:*...

GAATTCCCCCAACAGGCCAAGCTCTCCATCTAGTGGACAGGGAAGCTAGCAGAACC	59 (UPPER: SEQ ID NO.: 2 19 (LOWER: SEQ ID NO.: 5
TTCCCTTCACTACAAACTTCATTGCTTGGCCAAAAAGAGAGTTAATTCAATGTAGACAT	119 39
CTATGTAGGCAATTAAAAACCTATTGATGTATAAAACAGTTTGCATTCATGGAGGGCAAC	179 59
Taaatacattctaggactttataaaagatcactttttattta	239 79
ATGGATTATCAAGTGTCAATCTATGACATCAATTATTATACATCGGAGCCCTGC	299

FIG. 1B-1

1B-2

279

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TATITIGGCATCTGTTTAAAGTAGATTAGATCCGAATTC

899 299	959 319	1019	1079 359	1139 379	1199 399	1259 419	1319 439	1379 459	1439 479
TGGGGCTGGTCCTGCCGCTGCTTGTCATCTGCTACTCGGGAATCCTAAAACT L G L V L P L L V M V I C Y S G I L K T	TGCTTCGGTGTCGAAATGAGAAGAAGAGGCACAGGGCTGTGAGGCTTATCTTCACCATC	ATGATTGTTTATTTTCTCTTGGGCTCCCTACAACATTGTCCTTCTCCTGAACACCTTC	laggaattetttggeettgaataattgeagtagetetaacaagetatgeag Q E F F G L N N C S S N R L D Q A M Q	STGACAGAGACTCTTGGGATGACGCACTGCTGCATCATGCCTTTGTC	GGGAGAAGTICAGAAACTACCTCTTAGTCTTCCAAAAGCACAITGCCAAACGCITC	rgcaaatgctgttttttcagcaaggctcccgagcgagcaagctcagtttacacc	igatccactggggaggaaatatctgtgggcttgtgacacggactcaagtgggctggt r s t g e q e i s v g l +	3ACCCAGTCAGAGTTGTGCACATGGCTTAGTTTTCATACACAGCCTGGGCTGGGGGTNGG	ttggnngaggtcttttttaaaaggaagttactgttatagagggtctaagattcatccatt
AAA K	#CC T	A F	A M	TIT	ည္က ಜ	TA X	Ü	GGI	TCC
TA I	TH FIG	A N	ij 4	ეყ •	AAA X	GIT	IGG	999	TG TG
E I	DI T	11G	PA O	FAT	ე; <b>₹</b>	်၌လ	AAG	E E	BAT
GAA	TT	T T	D C	H	I I	ည်တ	D	<b>1</b> 66	raa
ည် န	2000 2000 2000 2000 2000 2000 2000 200	Ë	riggin 1	I	H C	S A	iga(	i) );	310
ACT	TGA	TCC	<b>16</b> 63	Ω Ω	AG(	S R	S C	ğ	) (GGC
SCT	CTG A	IIIG I	N	N N	AN O	13 kg	<b>15</b>	AC	'AG
H CH	GGG R	AC N	S	Ð H	TCC F	ပ္သည္	TG1	S	TAI
Ğ,	T CA	ACA Y	SCT	ຽນ	TCI	CTC	ည် ပြည်	TII	TGI
99	ב ב ב		STA	in the second	ICT V	AGG E	TGG.	AGT	IAC
CAT	GAG	J. T.	CAC	E (	ENG.	AAG.	H	H	15
TGI	GAA	85.	H.		5	500	ATC	ပ္တ	GA.
Signal Figure 1	AAS X		TAN .	GAC	25.		AAI	CAJ	AAG
E SCH	IGA E	CIT	GAA	GAT	G 7	TTT	(1) (1)	ij	TAA
ည္ကြင္	AAA	ICT	r C	17G	AAA	TAT I	e c	131	TI
CICI	ට්ට් ක	rii F	D D	ICI	23.02 R. R.	TTC	3GA E	AGT	H
हिं ४	ည်ပ	TAT!	TI	EAC.	FI	) (1)	ည် ဇ	C.P.G.	GT
E 1	ဂ္ဂ်	GT.	H	TGACAGAGACTCTTGGGATGACGCACTGCTGCATCAACCCCATCATGCCTTTGTW	HAK K	) LIĞ	GATCCACTGGGAGCAGGAAATATCTGTGGGCTTGTG R S T G E Q E I S V G L *	<b>GT</b>	<b>IGA</b>
ည္တဗ	CIT	ATT	GAA	A F	GAC	AAA K	II S		NE
Į Į	Б'n	Z Z	a Second	Sig V	ည္က် ပ	ည်ပ	S S	<b>3A</b> C	511

239 79	TAAATACATTCTAGGACTTTATAAAGATCACTTTTTTATTTTATGCACAGGGGGGAACAAG
179 59	CTATGTAGGCAATTAAAAACCTATTGATGTATAAAACAGTTTGCATTCATGGAGGGCAAC
119 39	ttcccttcactacaaacttcattgccttggccaaaagagagttaattcaatgtagacat
59 (UPPER: SEQ ID NO. 3) 19 (LOWER: SEQ ID NO. 6)	GAATTCCCCCAACAGCCAAGCTCTCCATCTAGTGGACAGGGAAGCTAGCAAACC

FIG. 1D-1

359 119	419 139	479	<b>539</b> 179	599 199	<b>6</b> 59 219	719	779 259	839
GTG V	AGG R	CIT	ATG M	AIC I	AGG R	្តិក្នុ	s CT	ក្ដី ១
H I	AA	H H H H	1 G	HGH	Ü	5	ក្តី	ATC E
SE CO	g,	ĮĮ,	E.	S.	<b>S</b>	Ď.	<b>8</b>	D.
ij	E C	E	AAA	£"	AAA	FE	e e	E C
E A	AA! N	ម្តីដ	ပ္တို့ပ	F	E a	ĞĘ >	ÄČ	ည်န
E H	AT7 I	gg a	II F	ATC L	ਹੁ ਕ	Ë.∢	<b>₹</b>	्रापु
ည်ရှ	CIG	ICT S	3AC D	<b>2</b> 0	FIT	37G( V	HH	) ) (
CC P	ATC	ATC I	TG ₹	ICI S	STG. V	31G V	CHT.	) P P
CIG	CTC	35G	CAG	TIC	3CT	TGG( ¥	उदार त	SGT(
DE J	ATC	CTG	GCC	TTC	CAT	ACT	GAA( E	3CTC
ည် က	GTC	AAC N	000 P	ည္မမ	GTC V	ATC	AAAK	) (0
900 A	CT L	OF 1	GCT A	ATA I	GTC V	GTG. V	CAA	CH 1
CAAAAAATCAATGTGAAGTAGTGCCTCCTGCCTCCGCTCTACTCACTGGTG Q K I N V K Q I A A R L L P P L Y S L V	TTCATCTTTGGTTTTGTGGCAACATGCTGGTCATCCTGATAAAGG FIFGFVGNMLVILILIINCKR	CTGAAGAGCATGACTGACTTGCTCAACCTGGCCATCTCTGACCTGTTTTTCCTT L K S M T D I Y L L N L A I S D L F F L	CTTACTGTCCCCTTCTGGGCTCACTATGCTGCCGCCCAGTGGGACTTTGGAAATACAATG L T V P F W A H Y A A A Q W D F G N T M	TGTCAACTCTTGACAGGGCTCTATTTTATAGGCTTCTTCTTCTTCTTCATCATC C Q L L T G L Y F I G F F S G I F F I I	CTCCTGACAATCGATAGGTACCTGGCTGTGTTTGCTTTAAAAGCCAGG	ACGGICACCTITGGGGTGGTGAGTGTGATCACTTGGGTGGTGGCTGTGTTTGCGTCT T V T F G V V T S V I T W V V A V F A S	CTCCCAGGAATCATCTTTACCAGATCTCAAAAGAAGGTCTTCATTACACCTGCAGCTCT L P G I I F T R S Q K E G L H Y T C S S	CATTITCCATACATTAAAGATAGTCATCTTGGGGGGGGGG
AATC I	AAC N	AT.	S H	TAT	ភ្ជា	ACA T	AGA R	AGT
(E) (C)	ပ္ပို့ ဗ	ATC I		ម្ពីជ	TAC X	GTG	ACC	GAT
PAR K	GIG V	GAC	TG ™	ည္သ	74GG 18	GTG V	TTT	AAA K
STS.	F	PACT T	TTC	ACA F	GAT	ეე	AIC	ATT
AAT N	GG1	ATG M	ည်က	TTG	AIC	rtt	ATC.	FAC.
AIC I	rit F	S	or.	i E i	Ş t	ij L	G GAZ	D d
A M	H I	AG!	CIC	AAC Q	TGA L	អ្ន	CAG P	TTC
2 A A	ð.	GA	E.	DI.	ບໍ່	8	Ö_	TT
$^{\circ}$	E	5 -	2 4	F C	£ H	AC T	E T	S H

Ц		GAATIC
	1439	GTTATAGAGGGTCTAAGATTCATCCATTTAGGCATCTGTTTAAAGTAGATTAGATCC
	1379 459	TTCATACACAGCCTGGGGGTNGGTTGGNNGAGGTCTTTTTTAAAAGGAAGTTACT
	1319 439	CTTGTGACACGGACTCAAGTGGGCTGGTGACCCCAGTCAGAGTTGTGCACATGGCTTAGTT
	1259 419	TCCCGAGCGAGCTAGATTACACCCGATCCACTGGGGAGCAGGAAATATCTGTGGG
	1199 399	CTTCCAAAAGCACATTGCCAAACGCTTCTGCAAATGCTGTTCTATTTTCCAGCAAGAGGC
	1139	CATCAACCCCATCATCCTTTGTCGGGGAGAGTTCAGAAACTACCTCTTAGTCTT
	1079 359	CTCTAACAGGTTGGACCAAGCTATGCAGGTGACAGAGACTCTTGGGATGACGCACTGCTG
	1019	CAACATTGTCCTTCTCCTGAACACCTTCCAGGAATTCTTTGGCCTGAATAATTGCAGTAG
	9 <b>5</b> 9	CAGGGCTGTGAGGCTTATCTTCACCATCATGATTGTTTTATTTTCTCTTCTGGGCTCCCTA
	888 700 700	CATCHGCTACHCGGGAALCCIAAAAACHCGGGGGGGGGGGGGGGGGGGGGGGGGGGGG

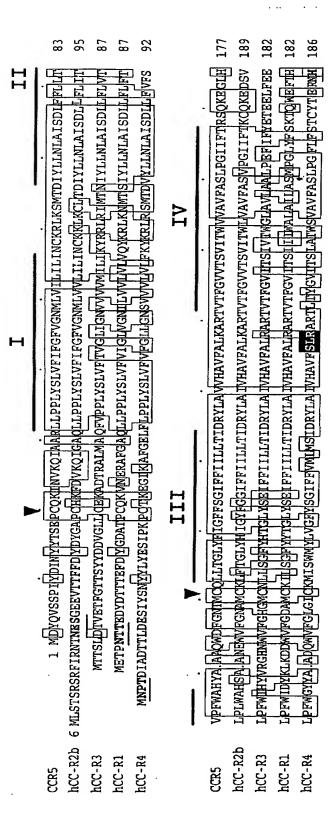
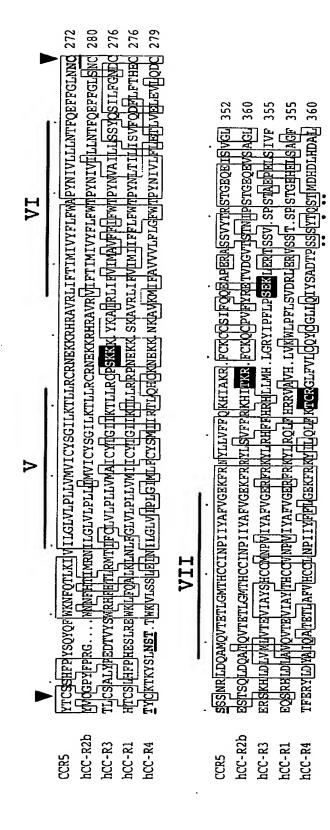


FIG. 2A

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